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Taillon et al.

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[54] TWO PIECE ELECTRICAL AND FLUIDIC CONNECTOR AND INSTALLATION METHOD THEREFORE

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[58] Field of Search 439/190, 191, 439/196, 174/9 R, 9 F; 29/889.22

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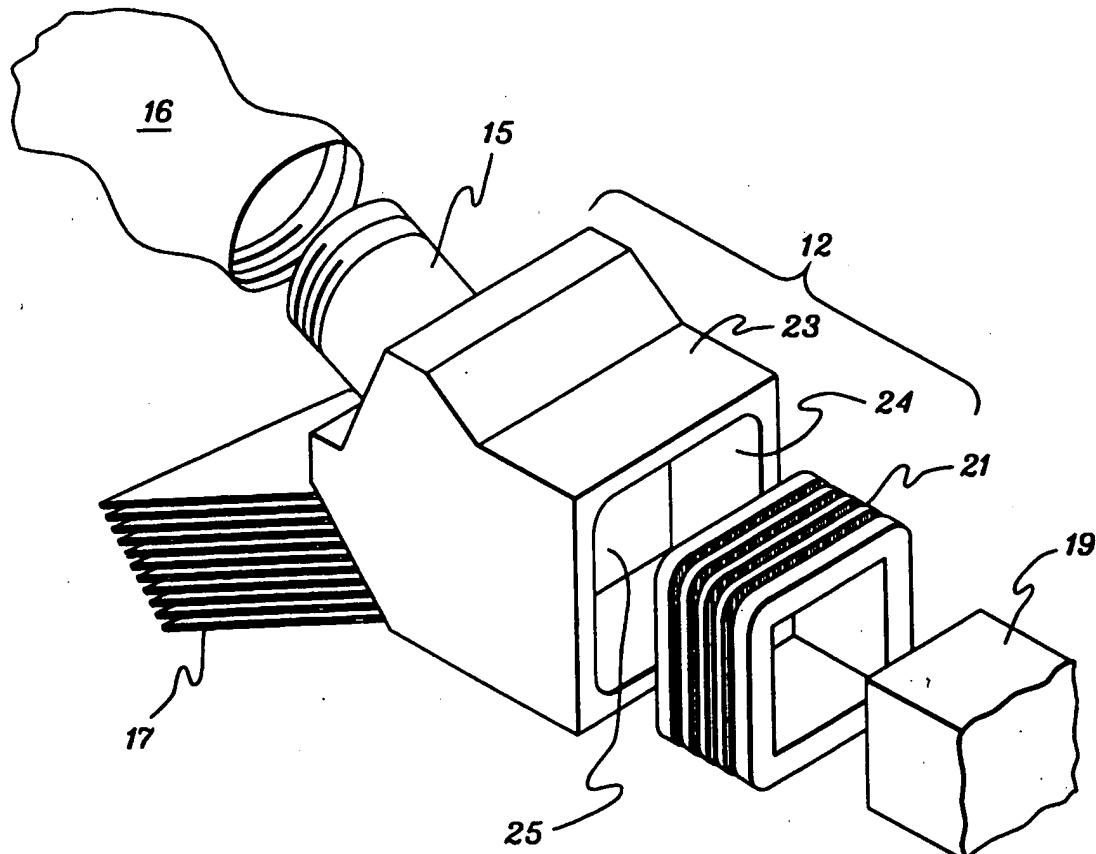
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[57] ABSTRACT

In water cooled electric generators, an electrical and fluidic connector connects a stator bar to an electrical bus and to a water source. The connector comprises two pieces, a clip and a sleeve. During installation, the sleeve is brazed to the stator bar in a fluid tight manner, and the clip is then brazed to the sleeve. Fluidic connection from the generator's water source to the stator bar is provided by a hose attached to a fluid port on the clip. Connection to the electrical bus of the generator is provided by copper leaves and/or copper piping brazed onto the clip. The clip and the sleeve are both formed from copper to form an electrical connection between the copper leaves and/or copper piping and the stator bar. The connector may be further used to replace a defective electrical and fluidic connector that terminates a stator bar in a water cooled electric generator.

21 Claims, 11 Drawing Sheets



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